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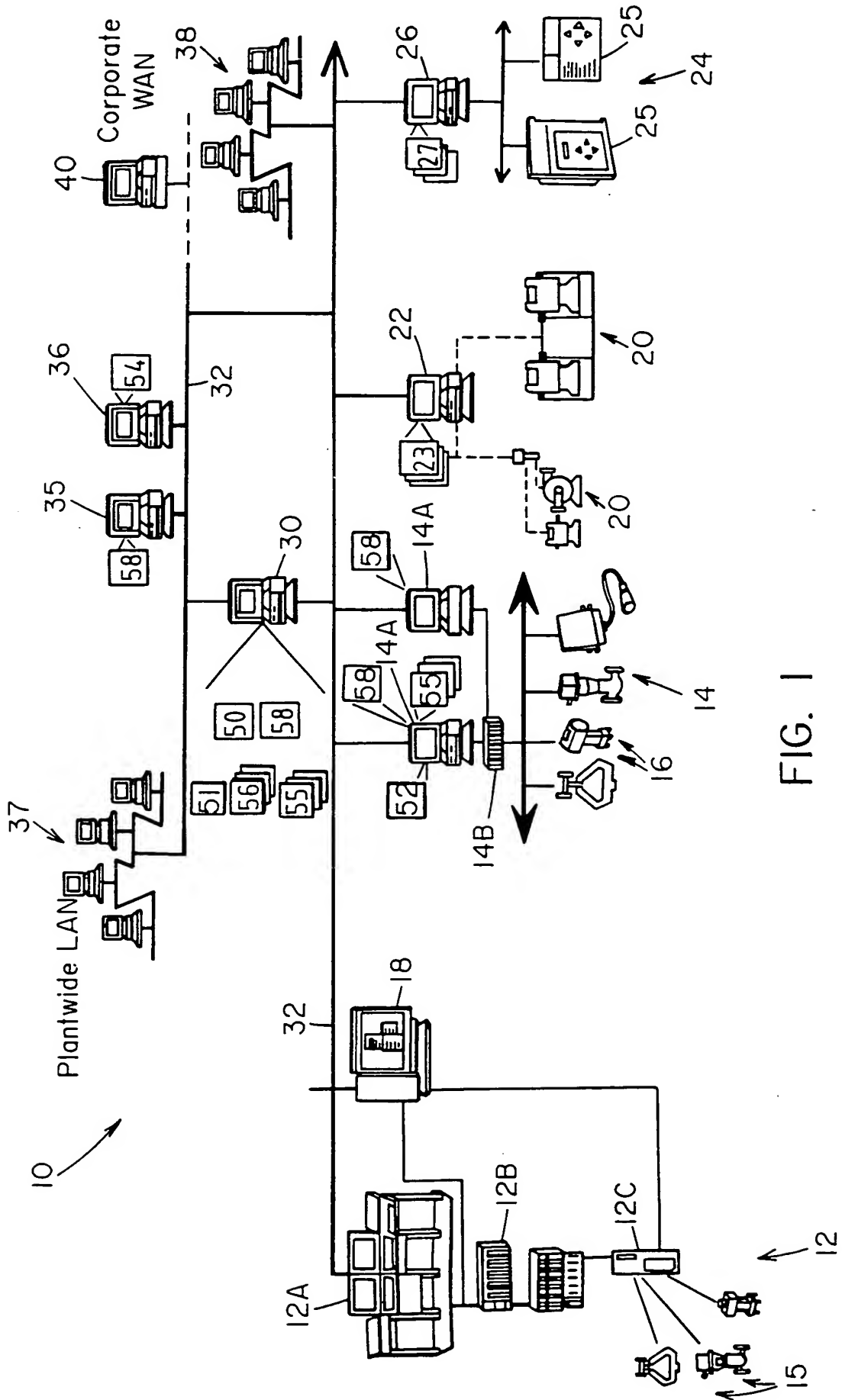


FIG. 1

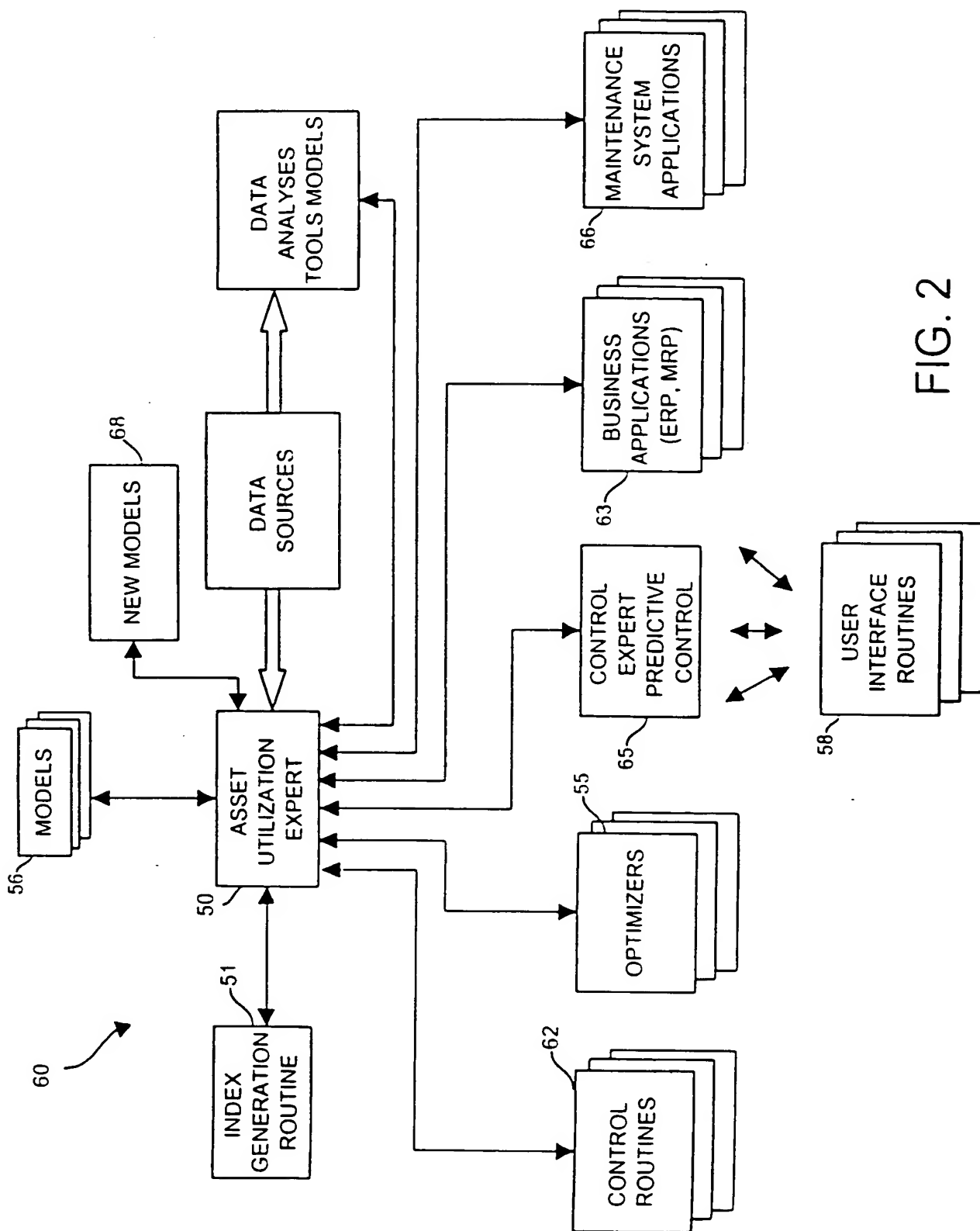


FIG. 2

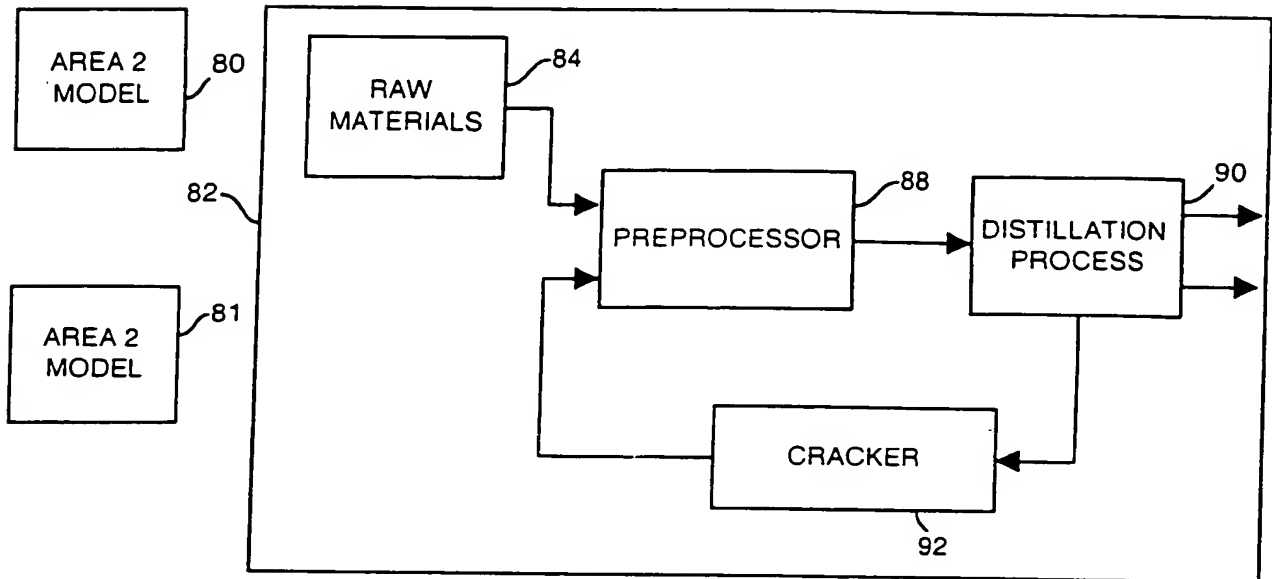


FIG. 3

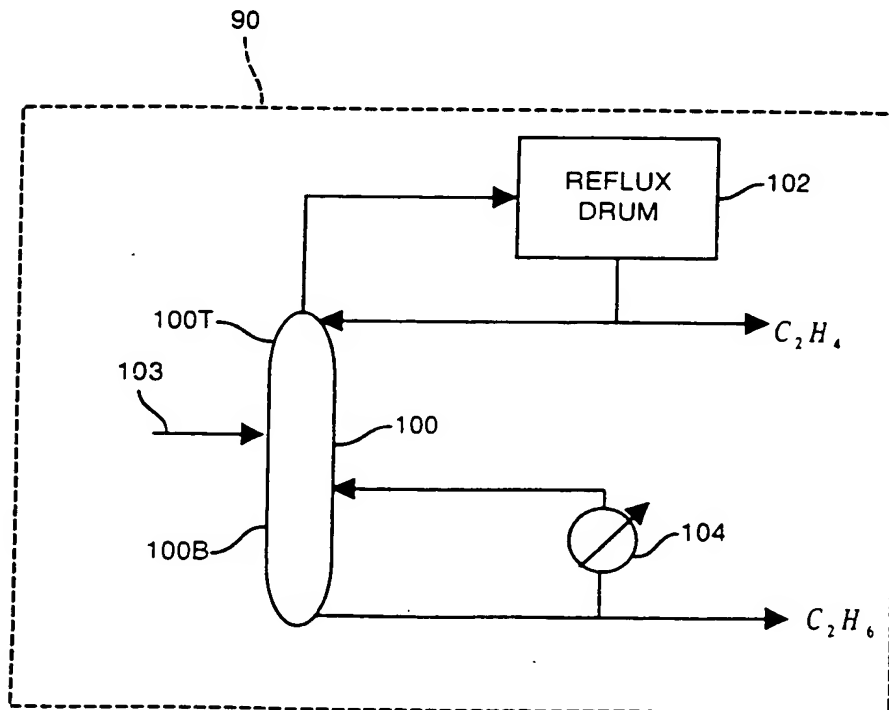


FIG. 4

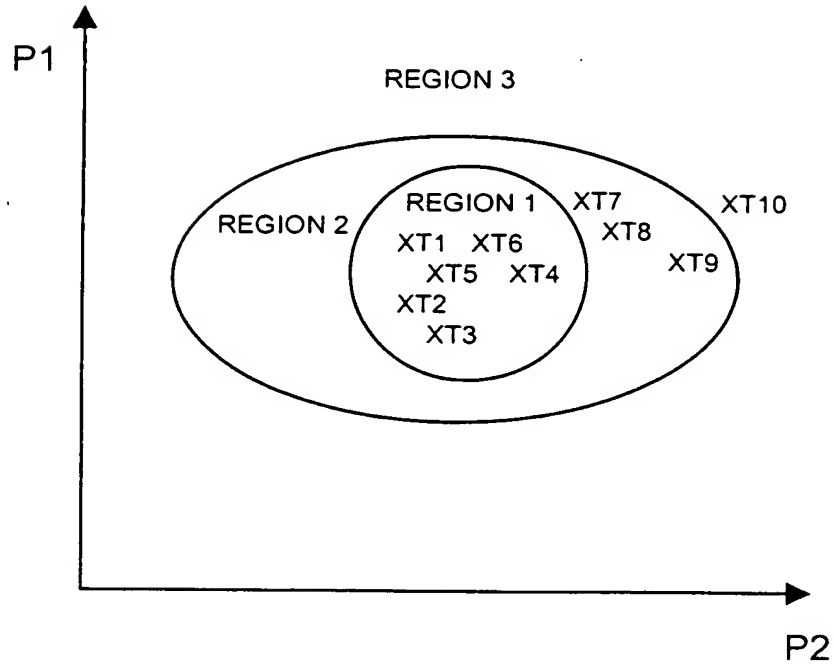


FIG. 5

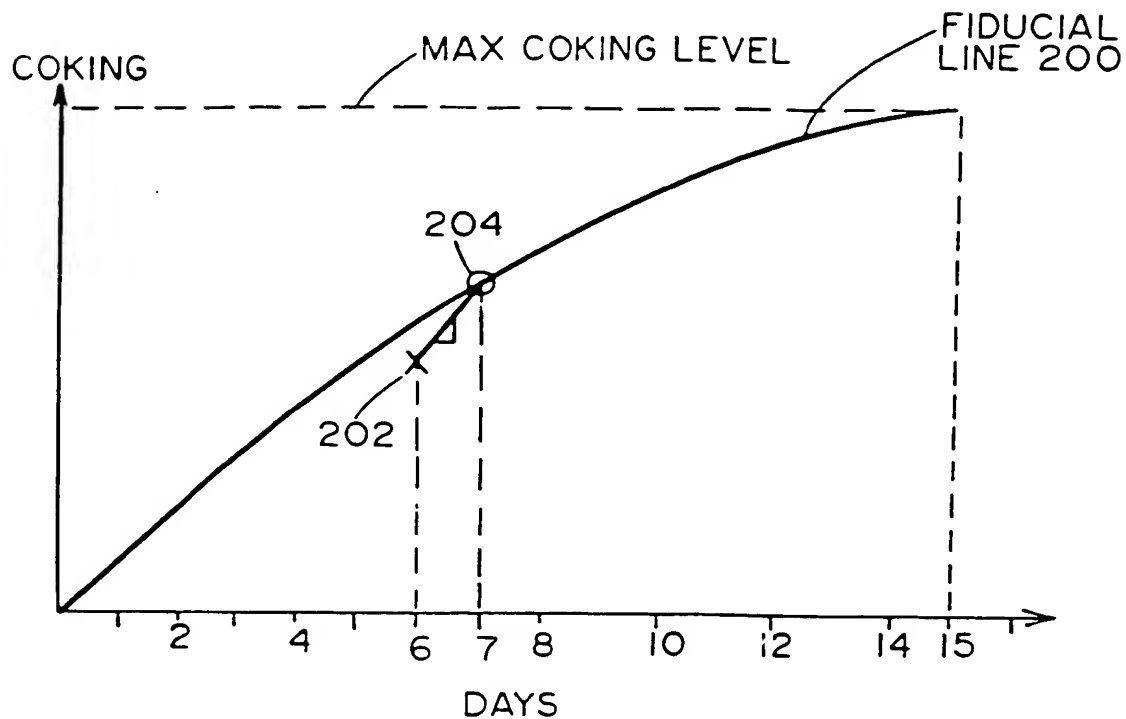


FIG. 6

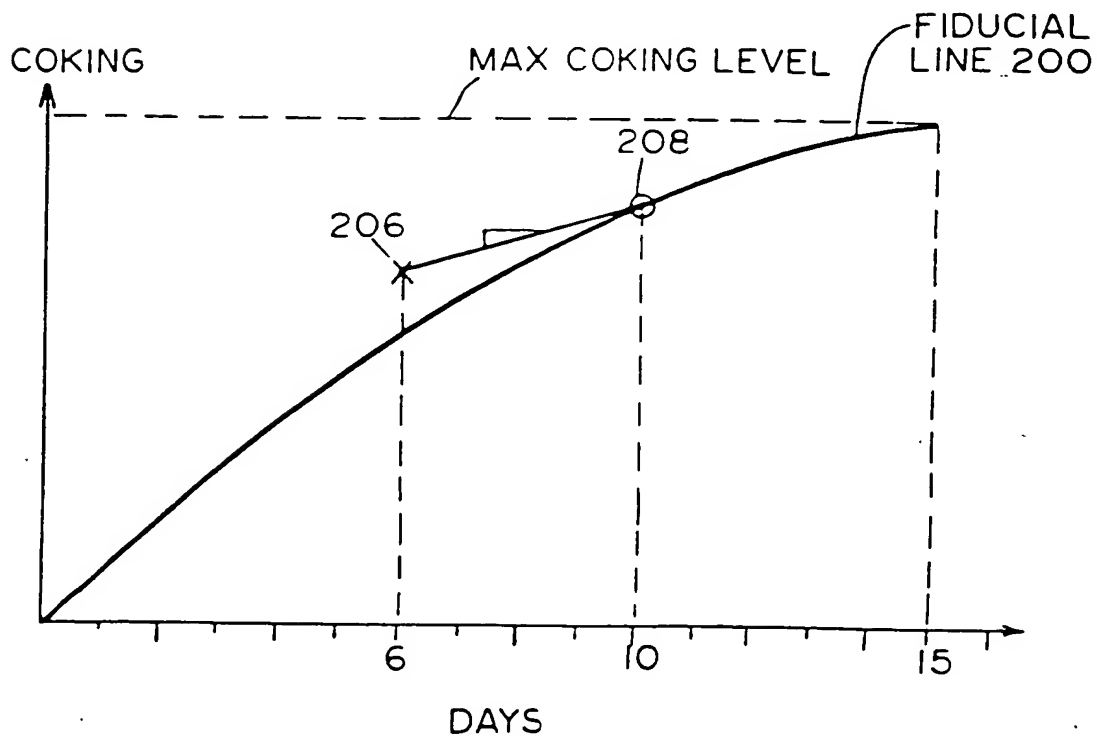
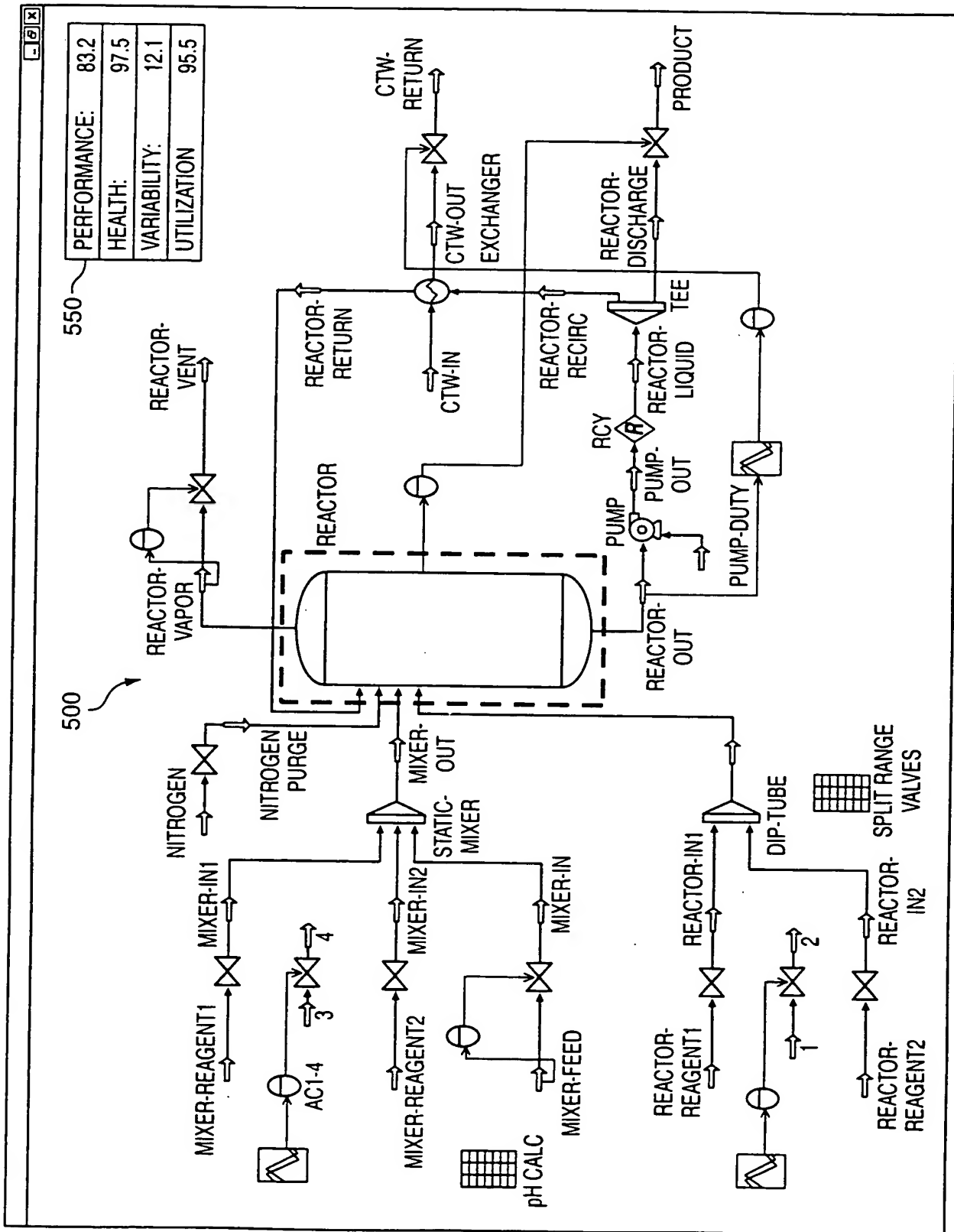



FIG. 7



	PI	VI	HI	UI
Unit	x		x	x
Sub Unit	x		x	x
Loop		x	x	x
Device		x	x	

FIG. 9

PERFORMANCE FOR FCCU: 83.2



Loop Name	Index	Weight
FIC-101	88	3
TIC-111	89	3
LIC-111	88	3
FIC-111	60	3
FIC-112	80	1
TCI-222	87	1
FIC-101	88	3
TIC-111	89	3
LIC-111	88	3
FIC-111	60	3
FIC-112	80	1
TIC-222	87	1
PIC-111	87	1

FIG. 10

FCCU Health: 97.5

Device Name	Index	Description	Weight
FV-111	100	Leaking	3
TI-111	98	Sticktion	3
<u>LI-111</u>	90	40	3
MC-101	95	Will burn up in 2 weeks	3
FV-111	96	0	1

FIG. 11

FCCU Variability: 12.1

Device Name	Index	Weight
FV-101	0	3
TI-111	2	3
LI-111	40	3
FV-111	0	3
FV-112	0	1
TI-222	2	1
FI-101	7	3
TI-111	6	3
LI-111	7	3
FI-111	7	3
FI-112	7	1
TI-222	7	1
Sub unit: Reboiler RB101	15	2

FIG. 12

Alarms

Process

Impulse Line

Plugged Impulse Line Detection

Time Stamp

12:72:12

Status

☐ OK

☐ Inactive

☐ Learning

☐ Verifying

☒ Insufficient Dynamics

☐ Bad PV Status

☐ Not Licensed

☐ All Lines Plugged

Plugged Impulse Line History

Time Stamp

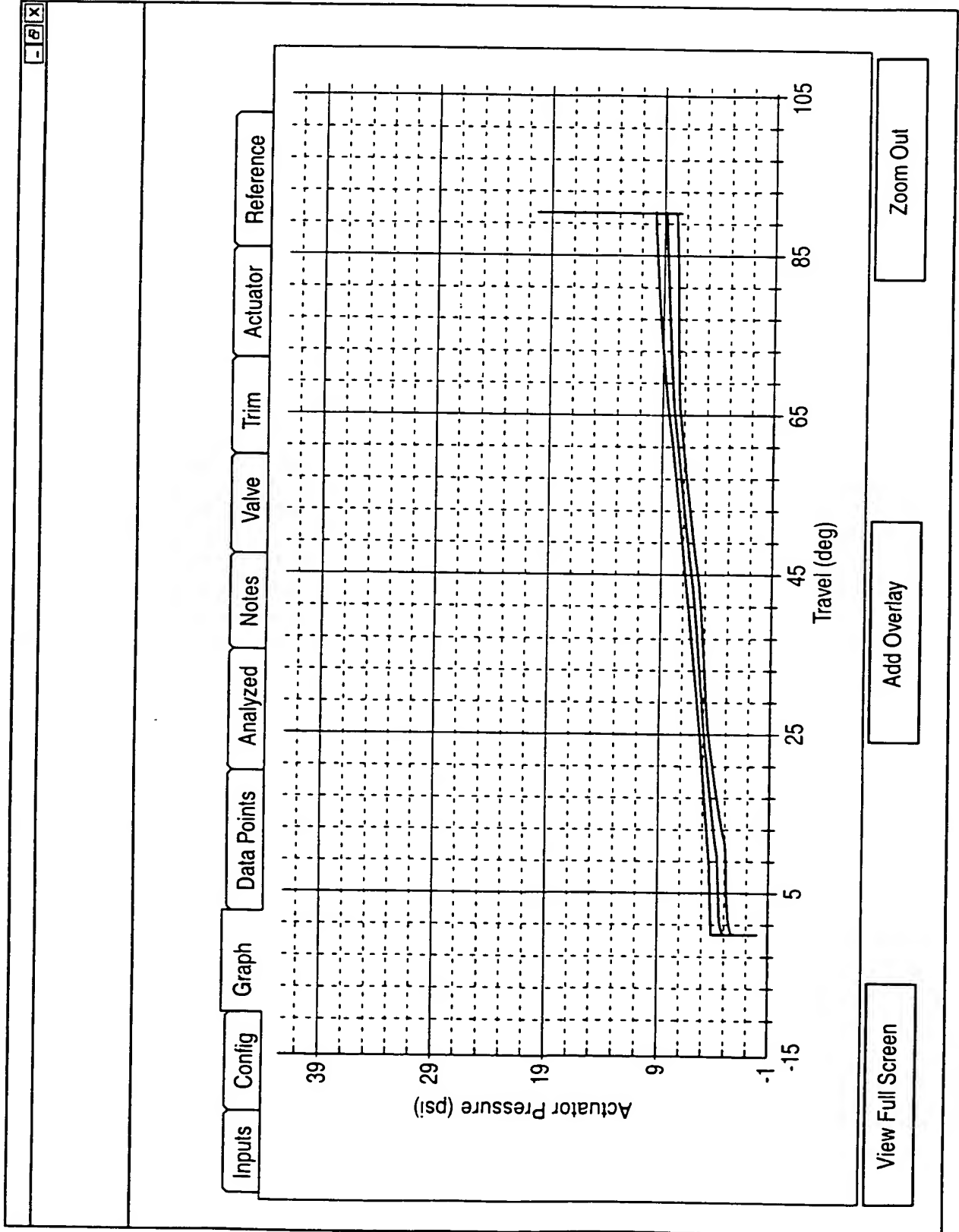
16:72:12

Status

☒ All Lines Plugged

☐ No History

FIG. 13



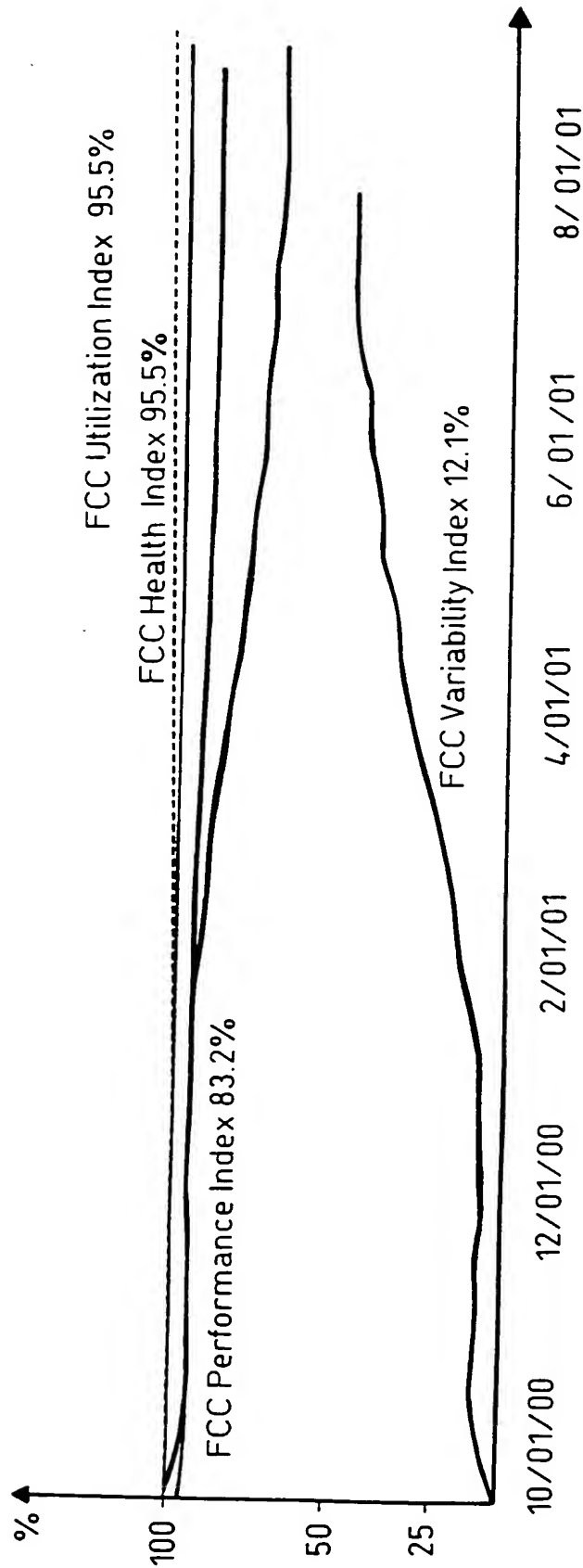


FIG. 15

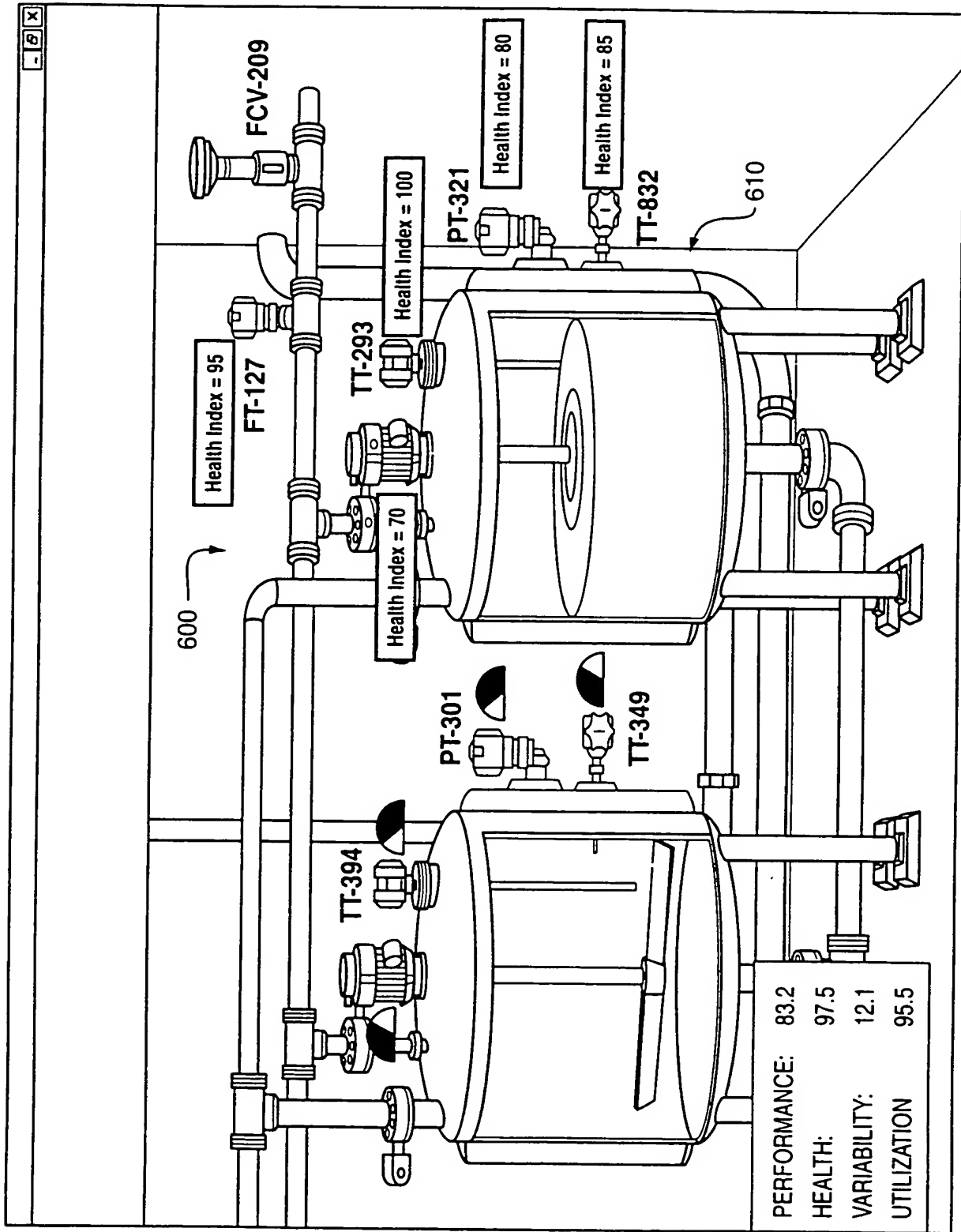


FIG. 16

200320 5545001

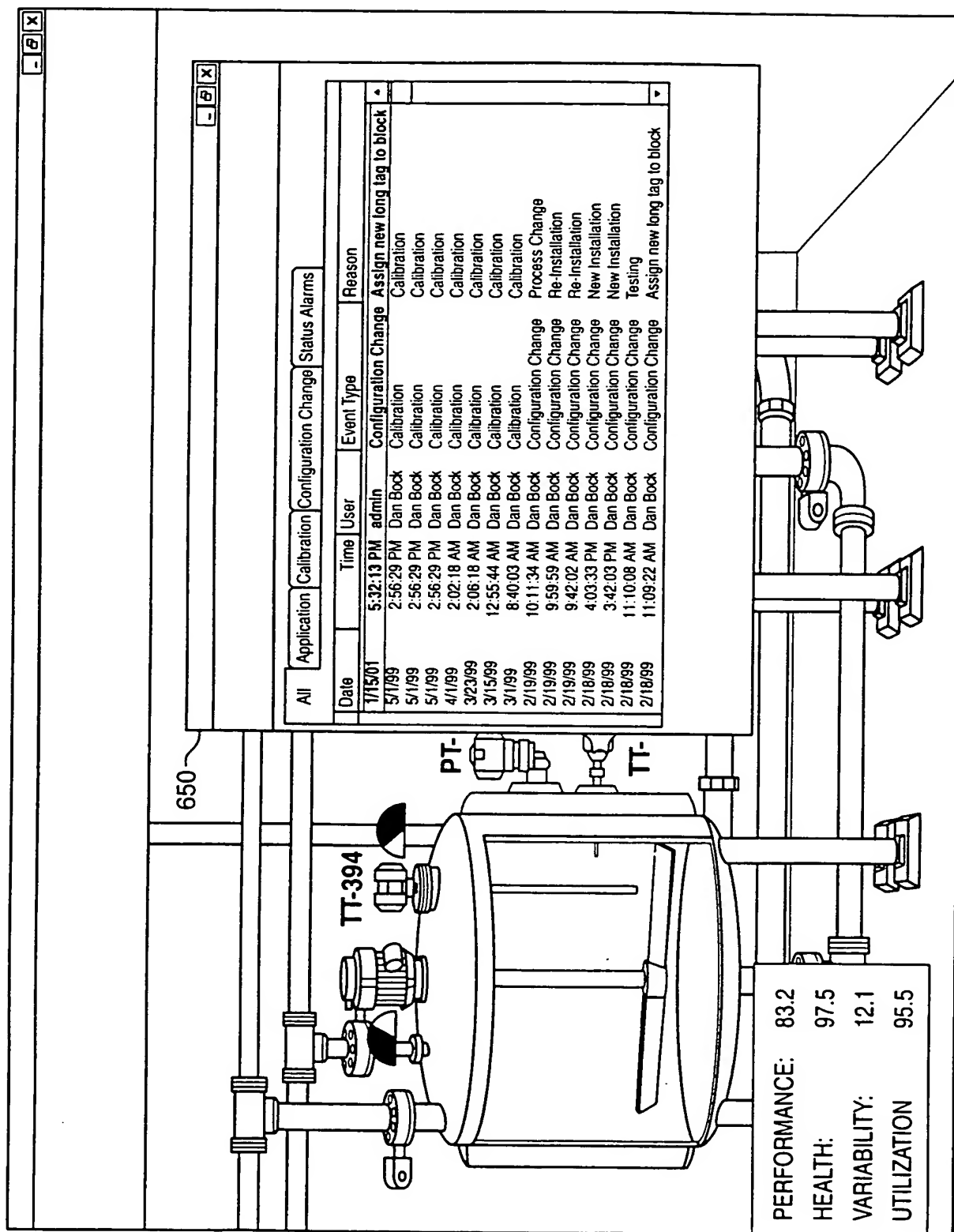


FIG. 17

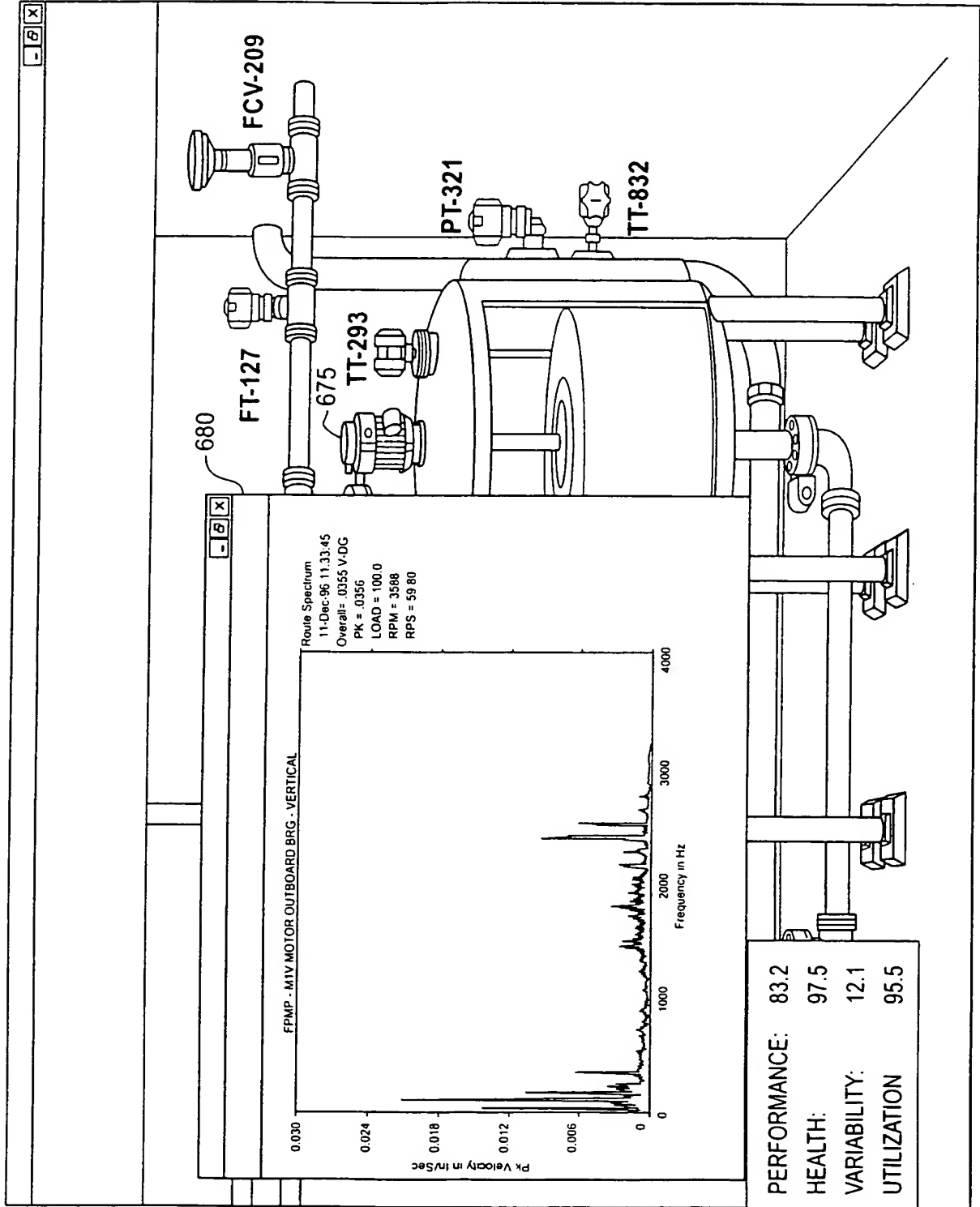


FIG. 18

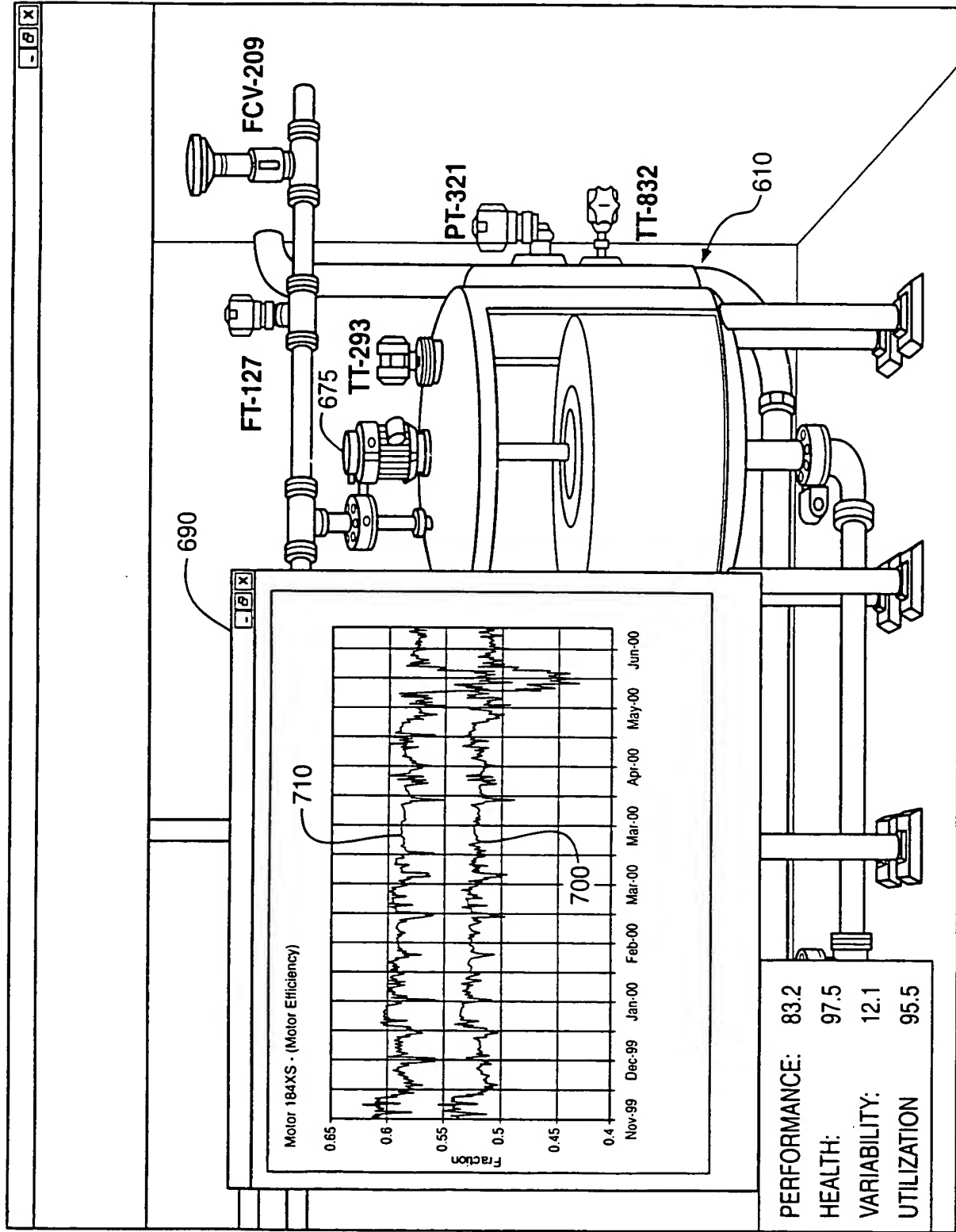


FIG. 19

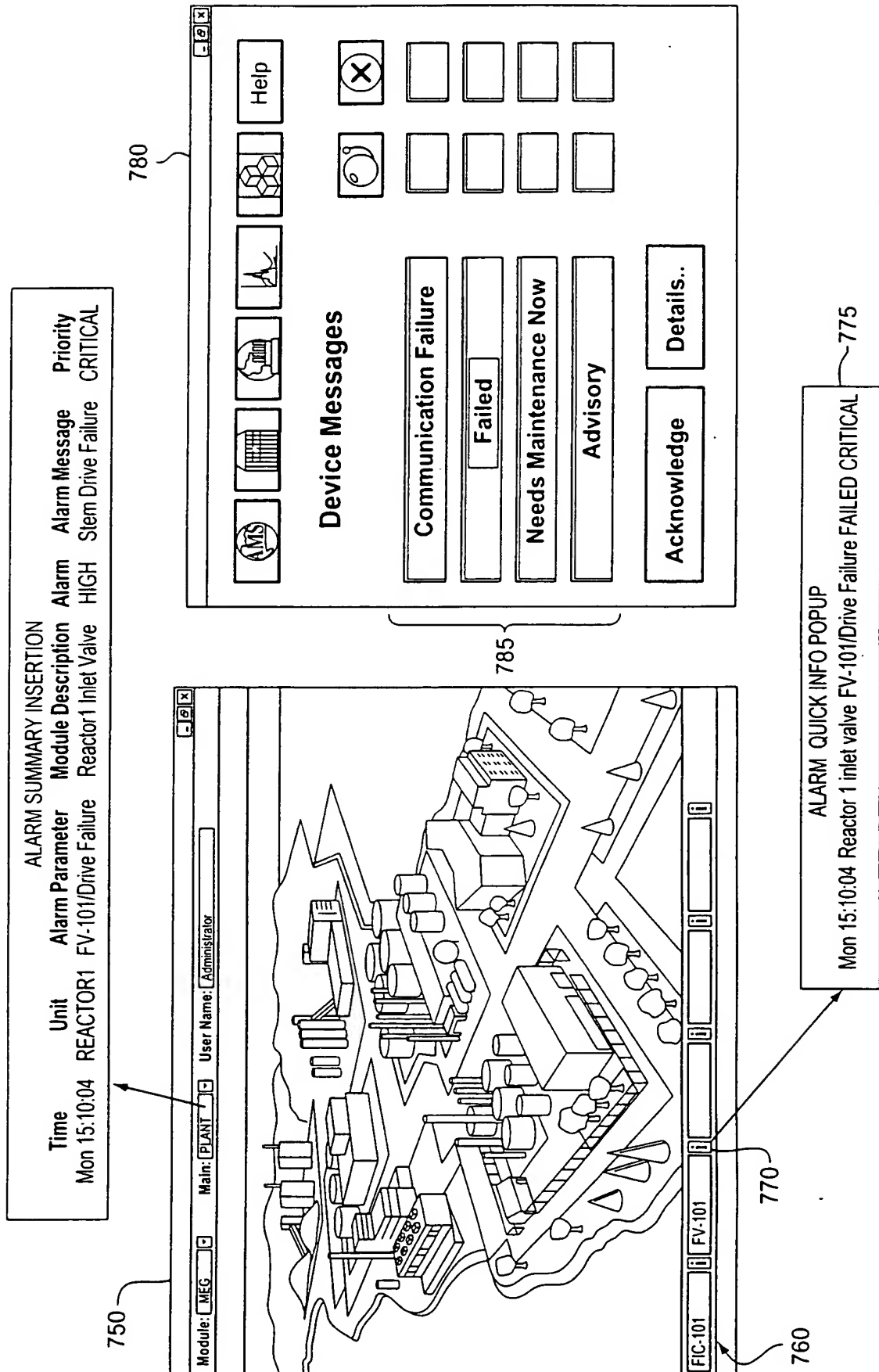


FIG. 20

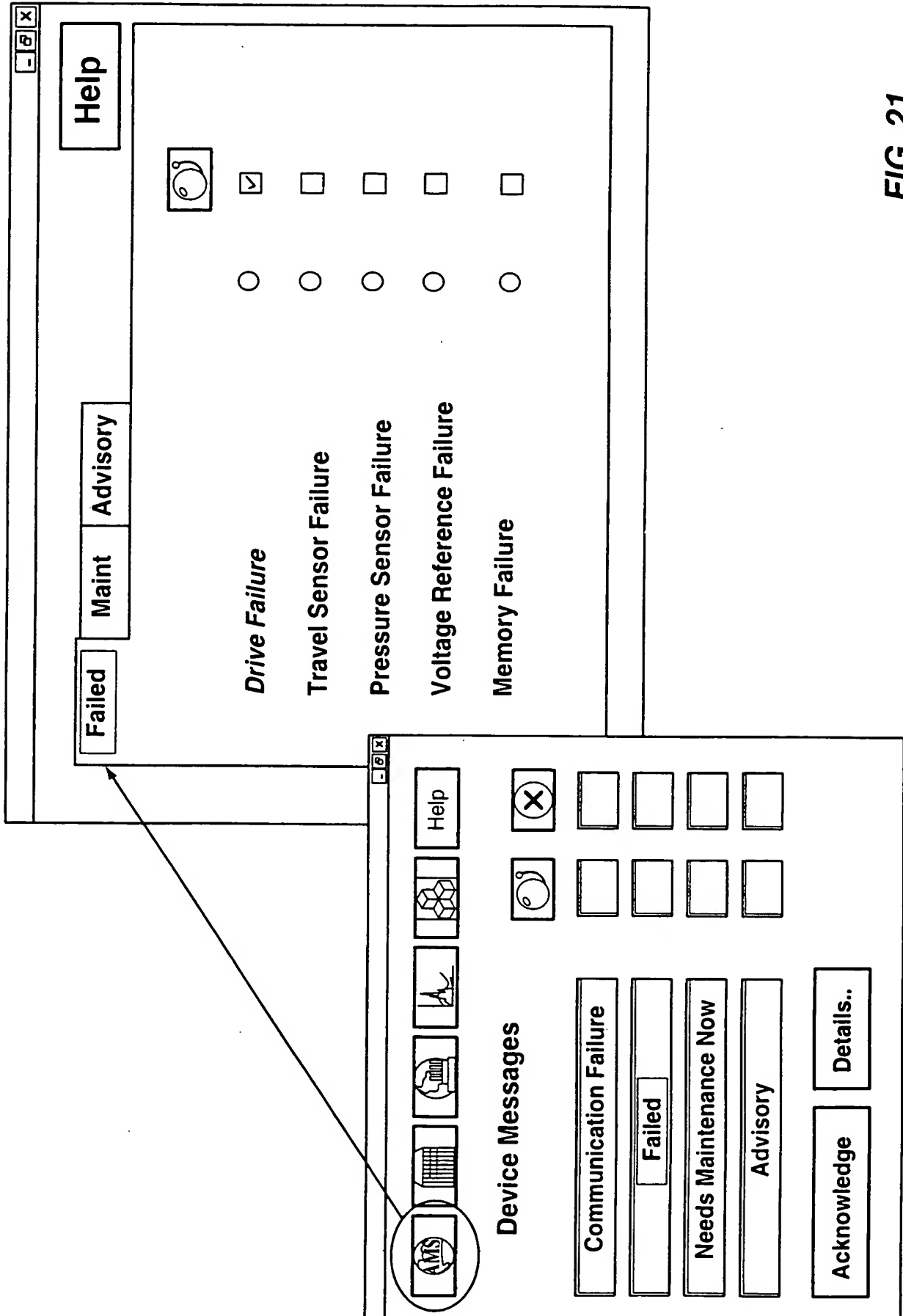
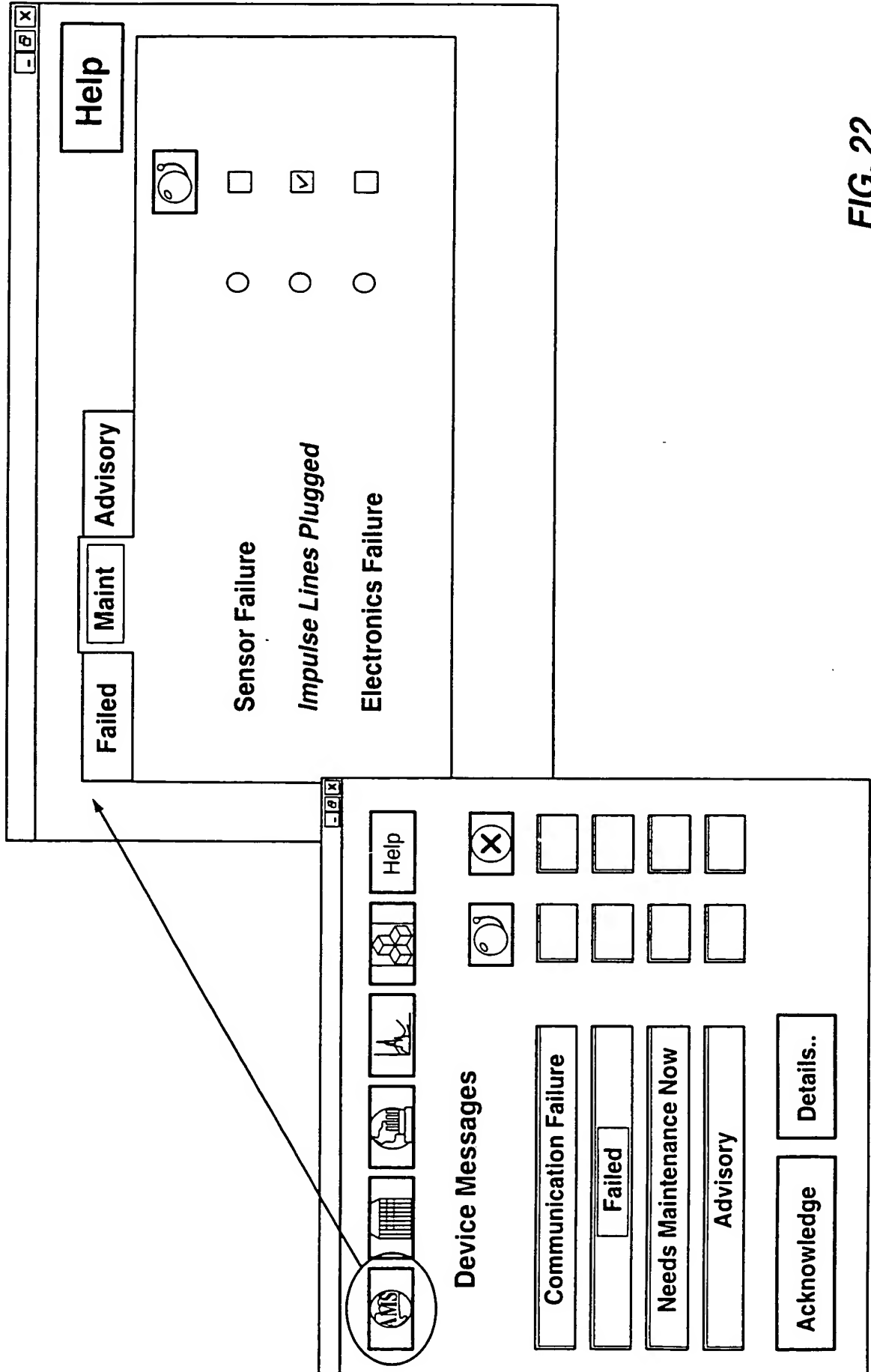


FIG. 21



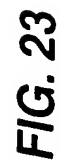


FIG. 24

Failed

Maint

Advisory

Coil Drive Open Circuit

Electrode Signal Fault

Grounding Wiring Fault

Help

Electrode Signal Fault Detected

The flow signal has been compromised. The process variable is likely reading less than expected.

1. Remove any moisture or contamination in the flowtube terminal block or, if applicable, the sealed electrode compartments.

WARNING! The electrode compartment may contain line pressure. Reomoving the cover before depressurizing may result in death or serious injury.

2. Perform flowtube electrical resistance tests. Confirm the resistance reading between coil ground (ground symbol) and coil (1 or 2) is infinity. Confirm the resistance reading between electrode ground (17) and an electrode (18 or 19) is greater than 2 kohms and rises. For more detailed information, consult the flowtube product manual.

3. Verify flowtube is electrically connected to the process with grounding electrode, grounding rings with grounding straps, or lining protector with grounding straps.

4. Verify transmitter electronics with Model 8714 reference standard. The dial on the 8714 should be set at 9.1 m/s (30 ft/sec). The transmitter should be set up with the nominal flowtube calibration number (1000015010000000) and 5 Hz coil drive frequency.

5. Properly connect the wiring between the flowtube and the transmitter on the flowtube. Corresponding terminal block numbers in the flowtube and transmitter must be connected.

To turn off electrode signal fault detection, go to the diagnostic screen in the transducer block properties.

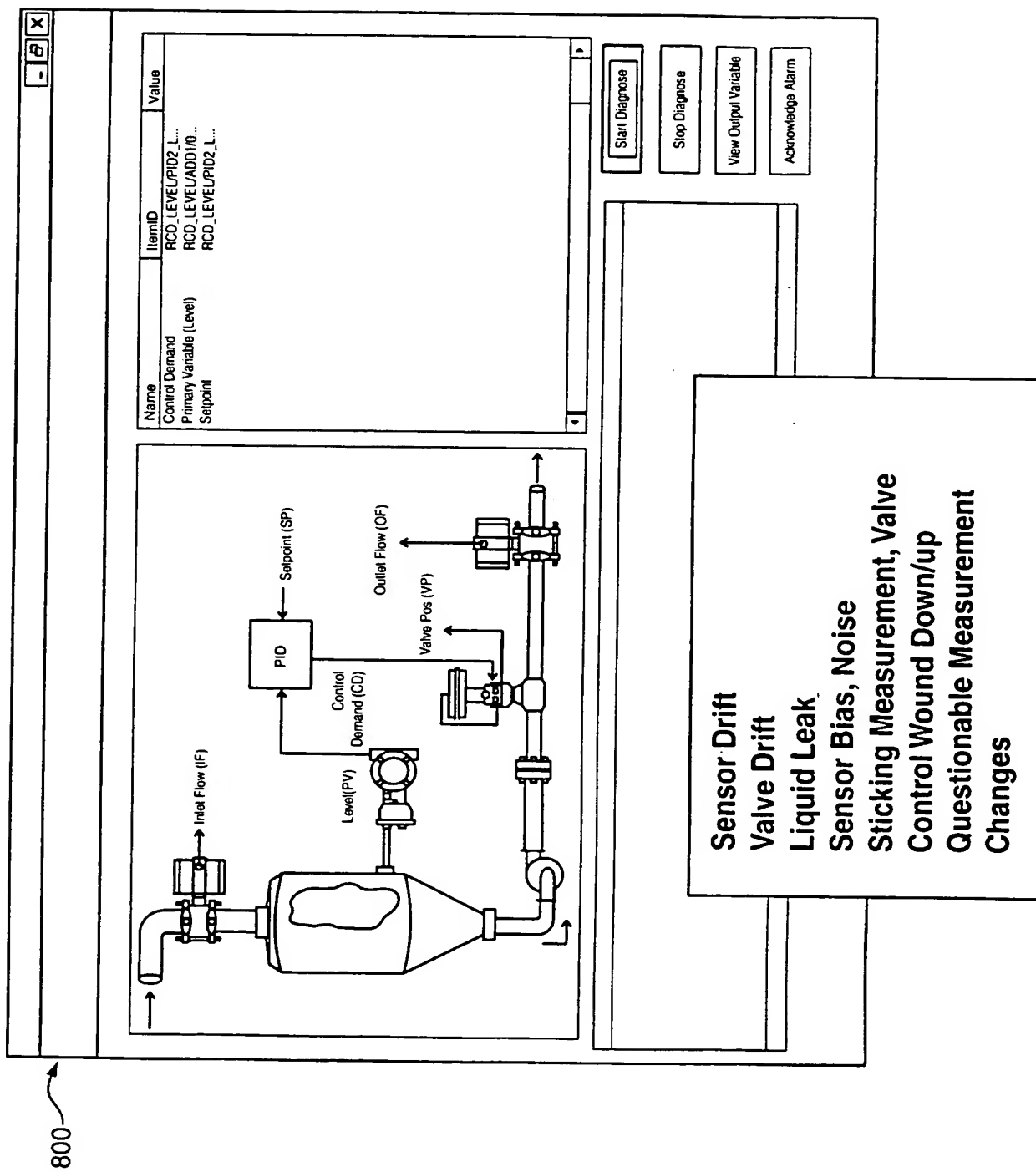


FIG. 25

30203/37167A

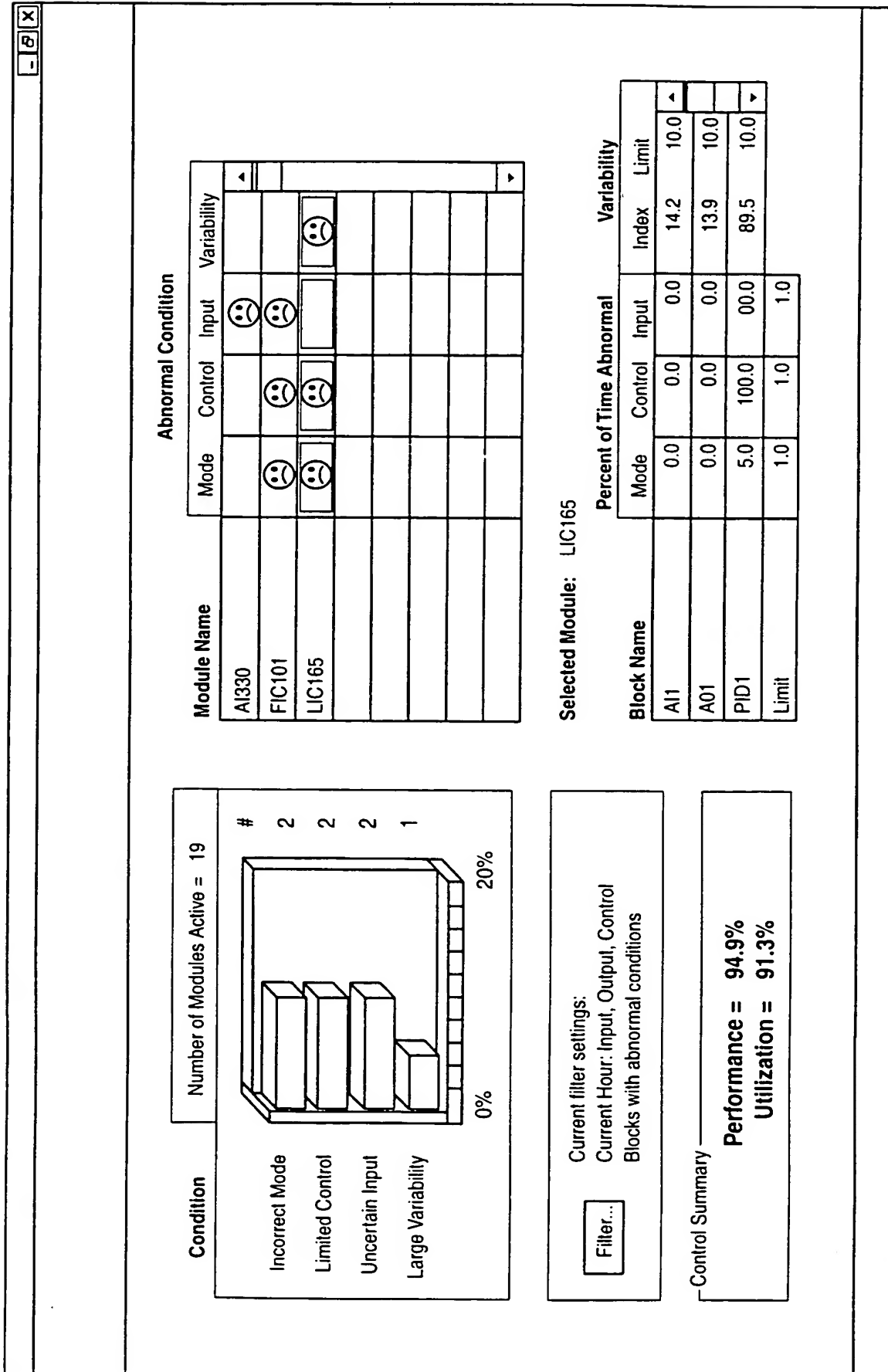


FIG. 26

		Work Order	Plans	Actuals	Costs	WO Hierarchy	Safety Plan	Failure Reporting	Linked Documents		
Modules	Work Orders	SENSOR MEASUREMENT									
	PMs	Work Order	T1194							WO Priority	5
	Inventory	Location	BDCUBE							Loc/Eq Priority	
	Equipment	Equipment	TT-111							Equipment Up?	Y
	Purchasing	Reported By	MAXIMO	Reported By	8/18/00 1	Work Phone			Warranty Date		
	Plans	Status	WSCH	Status Date	8/18/00 1	Charge to Store?	N	Work Type	EM		
	Labor	GL Account									
	Calendars	Job Details							Follow-up Work		
	Resources	Job Plan									
	Custom Apps	Safety Plan							Failure Class		
Setup	PM	AMS10130							Problem Code		
Utilities	Service Contract							Originating WO			
		Scheduling Information						Responsibility			
		Start						Completion			
		Target	8/18/00 11:42AM					Supervisor			
		Scheduled						Labor Group			
		Actual						Lead Craft/Person			
		Estimated Duration	0.00					Modified			
		Remaining Duration						Crew			
								By	Maximo		
								Date	8/18/00 1		

FIG. 27

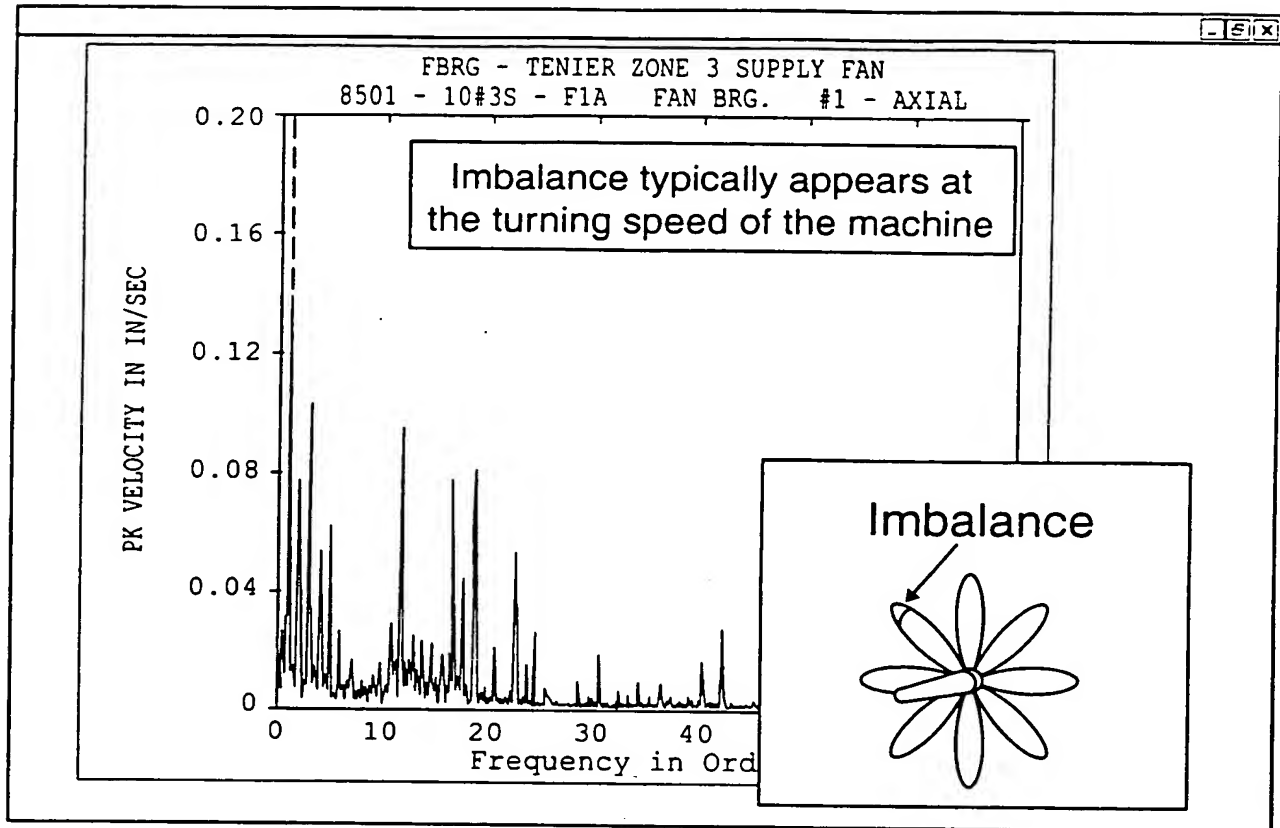


FIG. 28

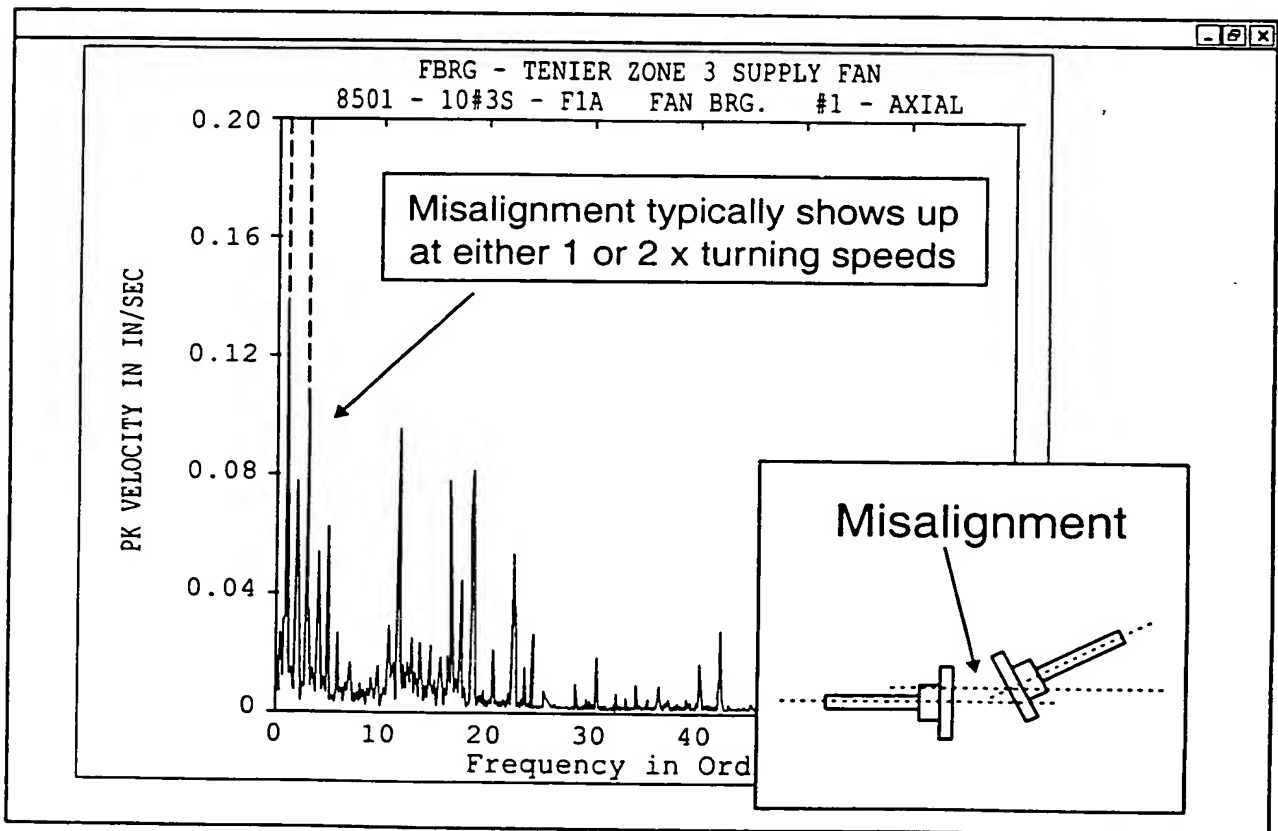


FIG. 29

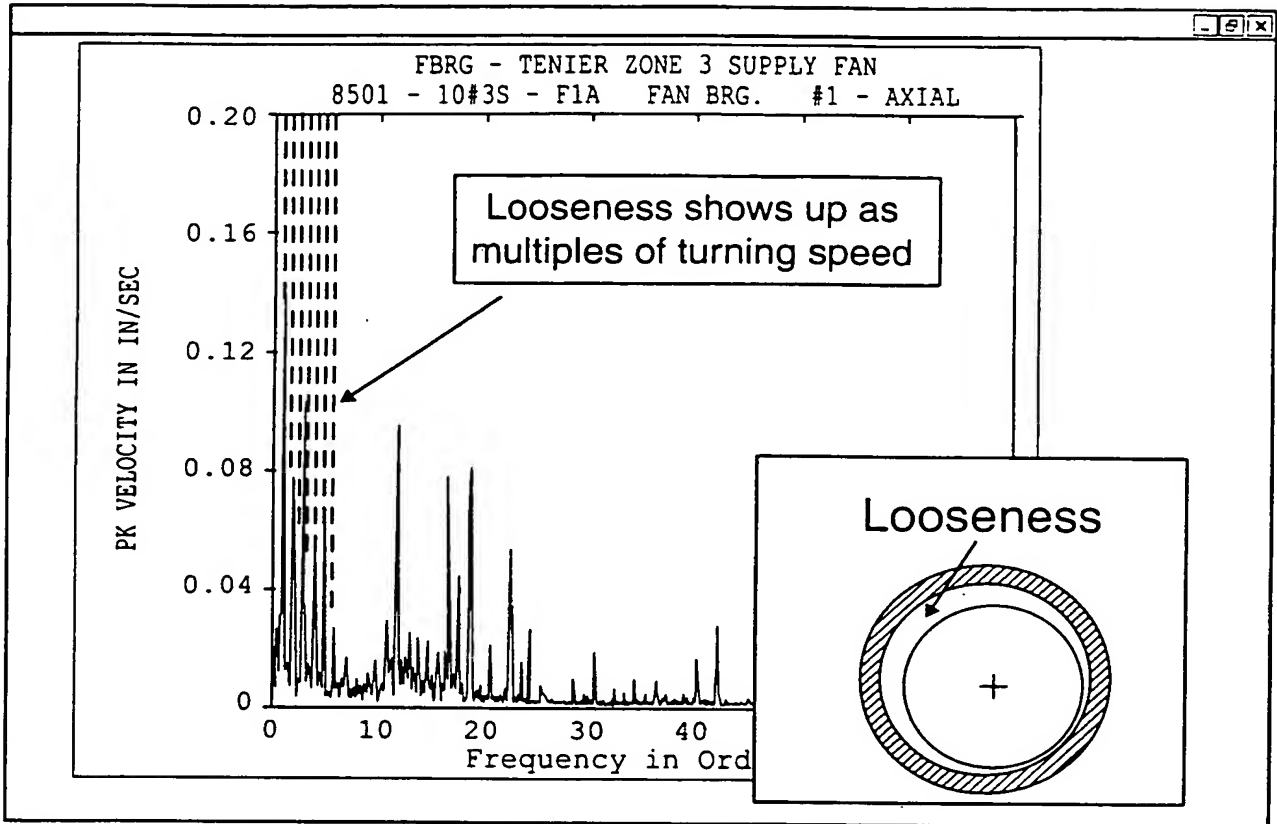


FIG. 30

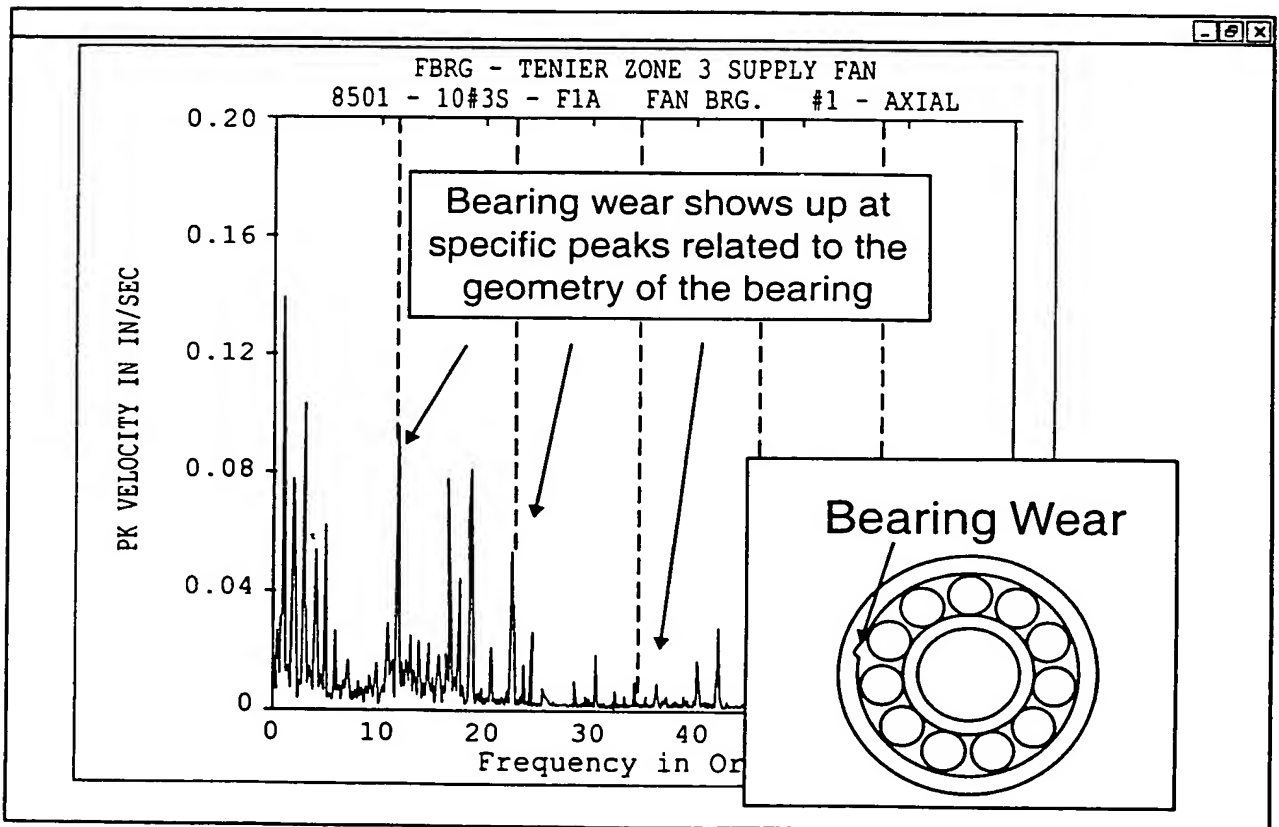


FIG. 31

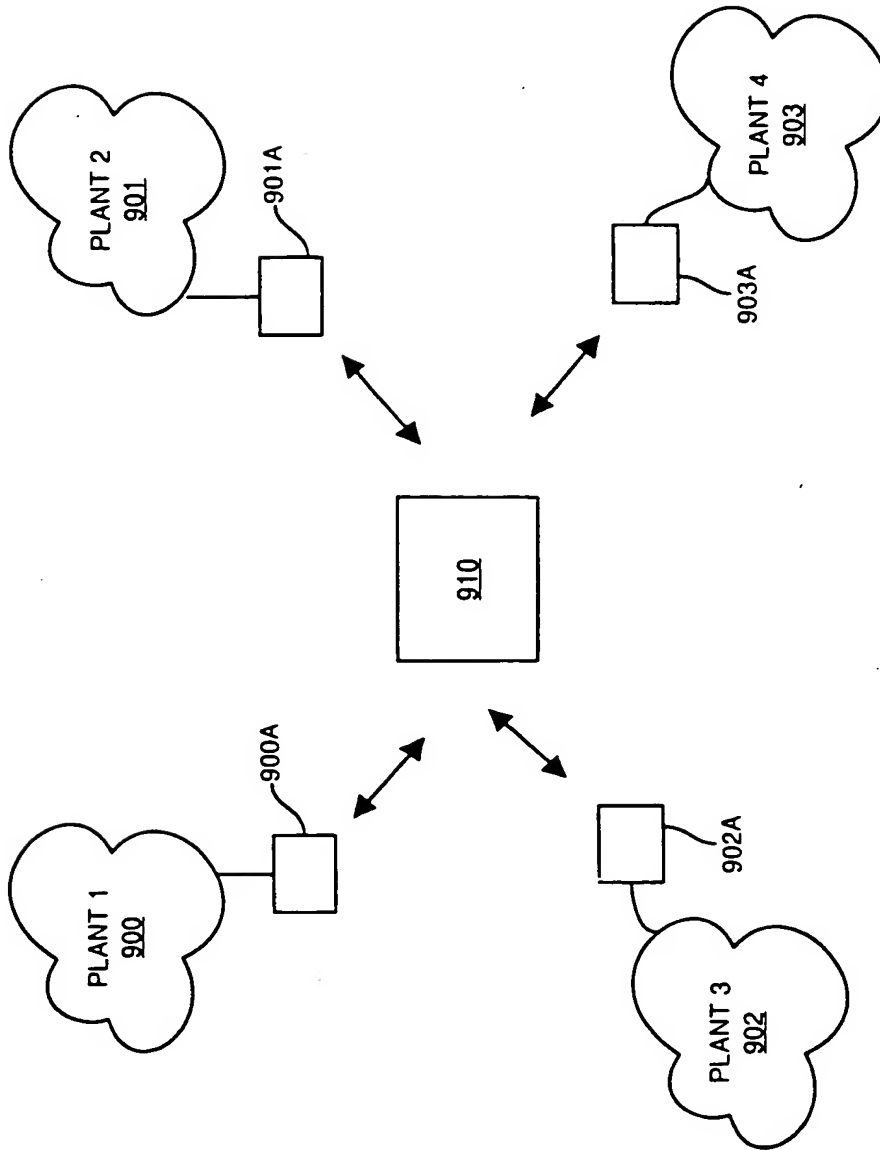


FIG. 32

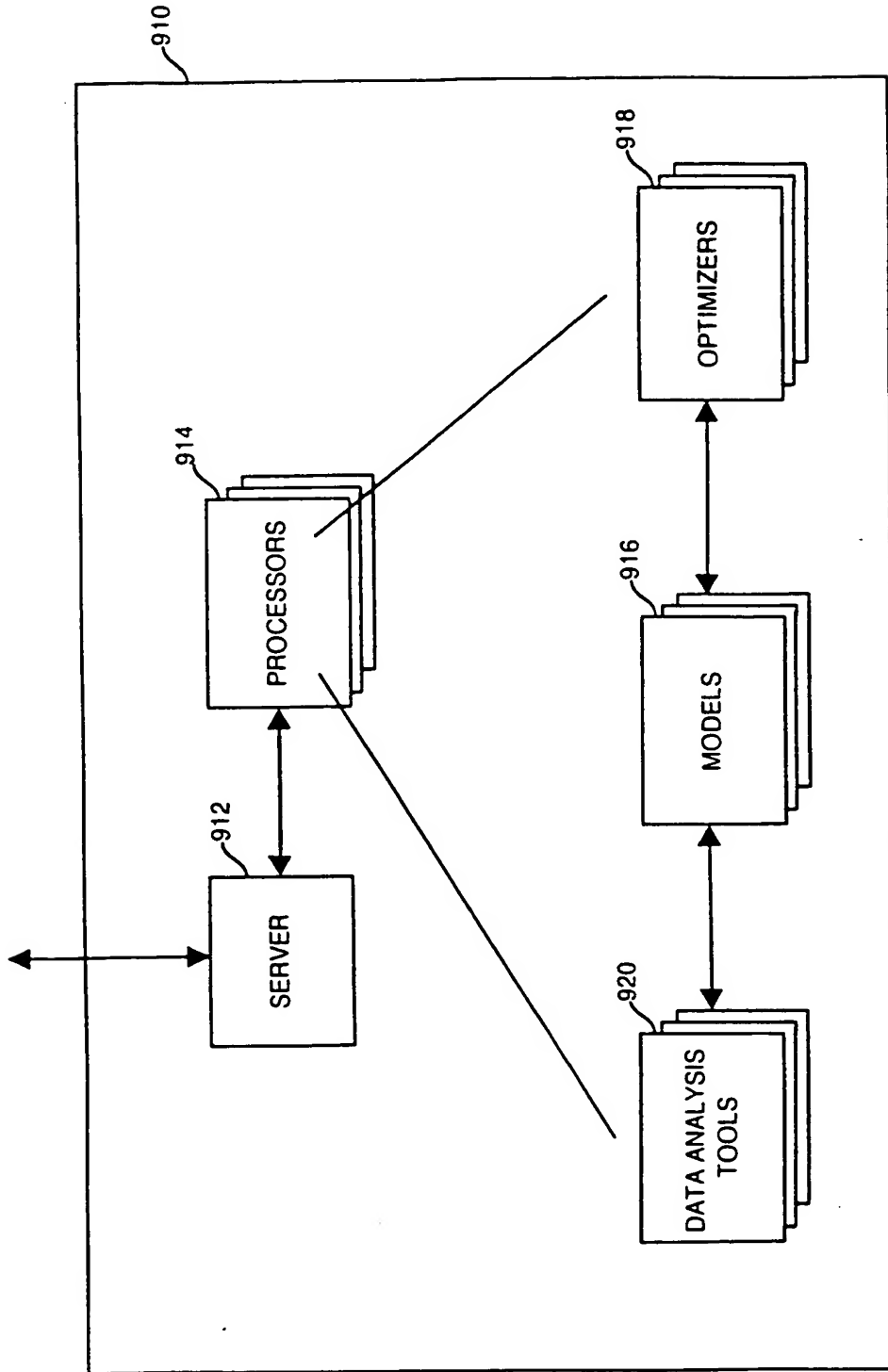


FIG. 33